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DACP

DACP Associates 1316 Arch Street
Philadelphia, PA 19107
Telex 831511
215/561-1050

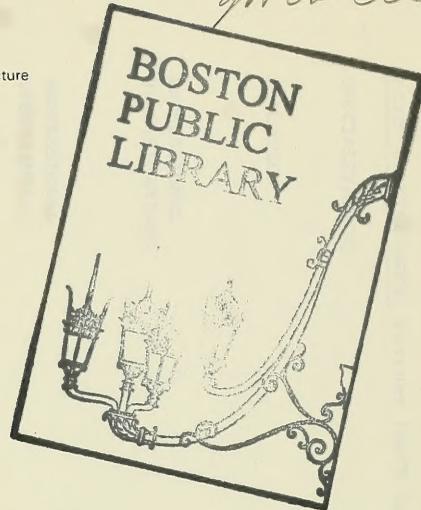
Urban Design
Planning
Architecture
Landscape Architecture

gtr02-500

June 17, 1981

Philip E. Franks
Scott W. Killinger
James Nelson Kise
James Bennett Straw
Harvey D. Kolodner

Mr. Matthew A. Coogan,
Project Coordinator
Boston Redevelopment Authority
City Hall
One City Square
Boston, MA 02201



Re: Downtown Crossing Project

Dear Mr. Coogan:

Enclosed are the background materials you requested. The material contains a general description of the firm and the range of services we offer. I have attached a copy of our Downtown Experience materials, resumes of some key staff and a standard Form 254.

We are very interested in being of assistance to the B.R.A. and are excited by the prospects of being able to work on such a challenging project in downtown Boston.

Should you have any questions, please don't hesitate to call on me.

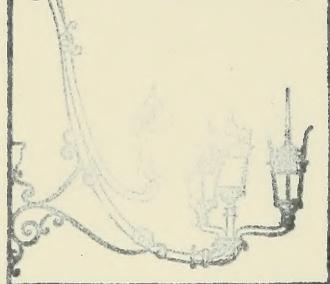
I hope to hear from you concerning the preparation of a proposal.

Sincerely,

Philip E. Franks
Partner

Enclosure: DACP Profile
Downtown Experience
Resumes
Form 254

PEF/vg
IV:24



SCOTT W. KILLINGER, Partner (DACP Associates)

SPECIALIZATION

Downtown Revitalization, Urban Design, Environmental and Transportation Planning, Project Management

EDUCATION

University of Pennsylvania, 1966, M. Architecture
University of Pennsylvania, 1966, M. City Planning
University of Nebraska, 1961, B. Architecture

PROFESSIONAL
QUALIFICATIONS

American Institute of Architects
American Institute of Certified Planners
National Council of Architectural Registration Boards
Registered Architect: Pennsylvania, New Jersey, Delaware, Connecticut

PROFESSIONAL
EXPERIENCE

1980-to-date -- Partner-in-Charge, Norwalk Waterfront Redevelopment Project, Norwalk, Ct. Project includes reuse of 15-acre land fill site combined with major redevelopment plans for underutilized railroad yards and the Reed Putnam Urban Renewal Area. The redevelopment program includes 1 million square feet of corporate office uses, 500 condominium residential units and a 300 room luxury hotel. The project is a continuation of revitalization efforts on the fringe of the central business district.

Consulting Partner, 12th Street Improvement Study, Wilmington, Delaware. Project includes preparation of Location Report, Draft and Final Environmental Impact Statements for Highway Improvements between I-495 and central Wilmington.

Consulting Partner, Hamilton Watch Company, conversion of the factory buildings to 200 dwelling units. Professional activities include the determination of parking and circulation impacts of the proposed conversion.

Partner-in-charge, DACP's continuing participation in a variety of development projects, both foreign and domestic. For Sadat City the work includes design and supervision of tender documents for the public environment, subdivision design for two residential areas totaling 5000 residential dwelling units and associated public and commercial facilities.

Administrative Partner, DACP portion of Tiba 2000 (formerly Nasr



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<http://www.archive.org/details/redowntncrossi00dACP>

City), Cairo, Egypt. Project is a multi-use center containing retail shopping mall, office, hotel, residential and recreational uses. It is to be constructed over a partially underground parking garage and service area. Assignment in Philadelphia, Cairo and Paris.

Partner-in-charge, site selection and space programming of new office facilities for a series of Investment Information Centers for the Free Zones and Foreign Investment Authority, Cairo, Egypt.

1974-1979; Managing Partner responsible for firm-wide operations; financial, administrative and professional. Responsible for coordination of financial and administrative activities between the central administrative office in Philadelphia, the branch office in Boston, and a project office in Cairo, Egypt.

1978; Principal and Chairman of the Joint Venture Board of control of Sadat City Development Group; assignments in Cairo, Egypt. Developed implementation and development control concepts for the 30,000 person first stage construction program for this new industrial city in the western desert. Ultimate population is one million persons.

1977-1978; Consulting Partner, Air Resources Management Study for the U.S. Environmental Protection Agency. Developed research concerning the effects of landscaping and plant materials on the reduction of air pollution along urban highways.

1976-1977; Partner-in-charge, Universidad Metropolitana; assignments in Caracas, Venezuela. Directed DACP's urban design and schematic architectural design activities for the planning of the rental zone for this new university. The project includes the programming of activities, the urban design plan, and the transportation/access plan for a 10 hectare site within the university property.

1975; Partner-in-charge, Philadelphia Bicentennial Transportation Plan; Directed study to develop an overall transportation plan and program to handle the mobility needs of 15 million visitors in 1976.

1974-1978; Contract administrative officer, National Cooperative Highway Research Program, National Academy of Science; investigated the social, economic and environmental consequences of not constructing highways. This research project determined, on a case study basis, the effects on American cities of decisions not to build

highways in urban areas.

1974-1976; Partner-in-charge, development plans for Peachtree City, Georgia; responsible for the preparation of a revised overall master plan, the development program, and the staging plans for this new town near Atlanta to be completed over a 25-30 year period. The staging plans and program have been organized into 5 year development increments. Projects subsequent to the master plan include two residential village subdivision plans; a subdivision plan for the Glenloch industrial areas; and a schematic architectural plan for the Glenloch Village Center.

1974-1975; Consulting partner, Wilmington, Delaware I-95 Connector and Transit Improvement Study; directed this study of the joint use of the highway corridor for transit and land development purposes.

1974-1975; Partner-in-charge, Town Center Master Plan, Reston, Va.; Directed preparation of the master plan and development program for the commercial, office and public service center for this new town near Washington, D.C. The staging of the development over a 10 year development period, and the treating of economic and financial feasibility at each stage of development were key study products.

1971-1972; Manager, Southwest Corridor Study of the Boston Transportation Planning Review; resident in Boston. Responsible for directing and coordinating the efforts of a 40-man technical staff, and coordinating the community participatory process in this study of highway and transit alternatives in Southwest Boston.

1970-1971; Principal-in-charge; Urban planning elements of the Philadelphia Crosstown Expressway Study; directed urban design effort to determine the justification and impacts of a major crosstown highway in Philadelphia.

1969-1971; Project director; Philadelphia 1976 Bicentennial Site Development Feasibility Study. Project involved the preparation of the development plans and programs for the City of Philadelphia to host the U.S. Bicentennial and the 1976 International Exposition. As a result of these plans, Philadelphia was the designated city for both events, even though the plans for the International Exposition were subsequently dropped.

1970; Project director; Buffalo/Amherst Transit Corridor Study. Directed DACP urban design effort for team headed by TEI Consulting Engineers for the route alignment and station study for the projected transit system in Buffalo, N.Y.

1968-1969; Project director, Spring Creek New Town, Brooklyn, New York. Responsible for planning this new-town, in-town, for 10,000 persons on land reclaimed from Jamaica Bay in Brooklyn, N.Y.

1966-1970; Assistant Professor of Urban Design, University of Pennsylvania, Philadelphia, Pa.

1970-1980; Guest Lecturer in New Community and Transportation Planning, University of Pennsylvania, Philadelphia, Pa.

1966-1967; Murphy Levy Wurman, Architects, Philadelphia, Pa. Co-author of "Visual Information Systems", published in Architecture Canada, March 1967.

1965-1966; Wallace McHarg Roberts and Todd, Philadelphia, Pa. Urban Designer, Lower Manhattan Plan, New York, N.Y.

PHILIP E. FRANKS, Partner (DACP Associates)

SPECIALIZATION

EDUCATION

PROFESSIONAL
QUALIFICATIONS

Architecture, Urban Design, Housing Design and Development Planning.

University of Pennsylvania, 1967, M. Architecture and M. City Planning
University of New Mexico, 1964, B. Architecture

National Council of Architectural Registration Boards

Registered Architect: Pennsylvania, Indiana, Massachusetts and Maine
American Institute of Certified Planners

Urban Land Institute, Academic Member

PROFESSIONAL
EXPERIENCE

1980-to-date: Partner-in-charge of the firm's Wilmington, Delaware,
12th Street Improvement Project. Project responsibilities include
street alignment, profile, socio-economic impacts, joint development,
urban design issues, design-development-evaluation of alternatives,
conduct of public hearings and preparation of the final Environmental
Impact statement.

Partner-in-charge and architect for the firm's Boston, MA. Transit
Station modernization work. The firm is responsible for the
architectural services associated with improvements proposed for two
stations on the "RedLine": Broadway and Andrew Stations.

Partner-in-charge and architect for the 350 car Lewiston, Maine,
Municipal Parking Garage; currently under construction and to be
completed in the Summer 1981.

Partner-in-charge of the firm's public environment improvement
projects (landscaping, pedestrian paving, signage, lighting and
furnishings) in Lawrence, Massachusetts.

1979-to-1980: Partner-in-charge of the Frankford Arsenal Study.

Responsible for directing a multi-disciplined group of consultants
through a year long reuse study of the U.S. Army's Frankford Arsenal
property. The 110 acre Arsenal, located in Philadelphia's northeast,
has 2.5 million square feet of existing vacant buildings. The firm
prepared a reuse plan which recommended the reconstruction of all
infrastructure, the reuse of some existing buildings and the
demolition of others and the creation of an urban waterfront park and
boat access to the Delaware River.

1976-to-date: Continuing direction of the firm's preparation of a detailed development plan for a small (1200 acre, 4000 du) new community located in Columbus, Indiana for the Irwin Management Company. This project is planning for the eventual urbanization of some of the area's inferior farm lands through the development of three lakes, roads and other supporting infrastructure and eventual residential construction.

1977-to-1978: Senior professional, urban design, Sadat City Development Group; assignment in Cairo, Egypt. Preparation of housing bid packages, performance standards, and designs for stage 1 housing development in Sadat City. The housing needs of some 30,000 stage 1 residents are to be met as part of the initial construction program for Sadat City.

1977 to date: Partner-in-charge, Capitol Gateway Redevelopment Plan; resident in Philadelphia. Responsible for the firm's work on a 60-acre major Washington, D.C. waterfront redevelopment project called Capitol Gateway involving the design of approximately 2400 dwelling units, one million square feet of office space, 100,000 square feet of retail, a 500 room convention hotel and a variety of open space and waterfront related improvements.

1977: Partner-in-charge, Ulaya New Community; assignments in Philadelphia and Riyadh, Saudi Arabia. Directed preparation of a plan and program for a "model" new community to house 5,000 native and foreign residents in addition to a wide range of supporting non-residential services to be developed within the next ten years in a 100 acre new community project located within undeveloped areas of northwest Riyadh.

1976 to date: Partner-in-charge, Columbus Housing Project; resident in Philadelphia. Provided continuing design review services for developer proposals and selected land disposition program on a 1,500 acre site adjacent to Columbus, Ind. in accord with an earlier master plan by DACP. Current activity includes preparation of a plan for 85 housing units and a local shopping center of 110,000 sq. ft. on 15 acres.

1976 to 1977: Partner-in-charge, Harristown development project in downtown Harrisburg, Pa.; resident in Philadelphia. Directed the firm's urban design and planning services for Harristown, a \$200



million, 10 year urban redevelopment project. One of the principal focuses of the project is the pedestrian environment as it relates to both downtown and the Pennsylvania Capitol Complex.

1975 to 1977: Partner-in-charge, Willingtown Square project, resident in Philadelphia. Directed plaza and landscape design, architectural lighting design, and restoration guidelines for the six historically certified houses that comprise Willington Square, an enclave of 18th century houses sited around a new pedestrian square off Wilmington, Delaware's Market Street Mall.

1974 to 1977: Partner-in-charge, Market Street Mall; resident in Philadelphia. Directed planning, urban design and architectural services for transforming 6 blocks of Wilmington, Delaware's main shopping street, into a pedestrian mall.

1973 to date: Partner-in-charge, Christiana Mall shopping center, resident in Philadelphia. Directed programming and site design for a 835,000 sq. ft. shopping center (including 3 department stores) on a 125 acre site near Wilmington, Del.

1973: Project Director, Bedford Pine Urban Renewal Project; resident in Philadelphia. Responsible for preparing the winning entry in a nationally solicited and locally conducted competition between prospective developer-designer teams for the right to be selected as "developer" for the 80-acre project providing 2,800 dwelling units and shopping facilities adjacent to downtown Atlanta.

1972-1974: Project Director, Wilmington Boulevard Study; resident in Philadelphia. Directed the urban design study for this proposed major urban highway improvement project. The study has called for integration of auto and transit vehicles into a single corridor, schematic design of the highway geometrics, development of adjacent land use plans and programs, landscaping plans, and furnishing details aimed at minimizing air and noise pollution.

1972-1973: Planner, Columbus Housing Project; resident in Philadelphia. Contributed to land planning analysis on a 1,500 acre site adjacent to Columbus, Ind. for development as a major residential addition to the city.

1971-1972: project Director, Metroform Development study; resident in

Philadelphia. Directed consultants and project staff through a design oriented study of development concepts and strategies, transportation related factors and implementation approaches for a "suburban center" development being considered for the I-95 and Route 7 interchange area in New Castle County, Delaware.

1971: Project Director, North Chicago New Community Feasibility Study; resident in Philadelphia. Developed concept of a medium density new community as a means of meeting expansion and housing needs of the existing North Chicago urban area.

1970-1971: Urban Designer, Lysander New Community (now Radisson), New York; resident in Philadelphia. Responsible for the conceptual design of the system of circulation for both vehicles and pedestrians as well as the complementary elements of the whole public environment for this 20,000 person new town.

1970: Urban Designer, City of Albuquerque, New Mexico Urban Design Study; resident in Philadelphia.

1972-to-date: Lecturer in Urban Design, University of Pennsylvania Graduate School of Fine Arts.

1967-1970: Philadelphia City Planning Commission. Staff member, Model Cities Environmental Task Force. During this period those projects completed included the North Philadelphia Interim Comprehensive Plan, the North Philadelphia Redevelopment Area Plan, the Neighborhood Renewal Program Years 1 and 2 Projects, and numerous design and planning studies relating to the coordination of various agency programs and the assistance in execution of both public and private development activities.



JAMES BENNETT STRAW, Partner (DACP Associates)

SPECIALIZATION

EDUCATION

PROFESSIONAL
EXPERIENCE

Urban Design, Housing Design, Development Planning

Columbia University, 1971, M.S. Urban Design (Honors)
Rensselaer Polytechnic Institute, 1969, B. Architecture (Honors)

1980-to-date-Director, Druim Moir Corporation; a DACP company specializing in housing development and design. First project is a \$5,000,000 urban housing development in Philadelphia, Pa., incorporating reuse of existing historic architecture and design of new housing prototypes. Other projects are in the initial planning stages.

Partner-in-Charge, Hamilton Watch Factory Housing Conversion and Townhouse Development Project. The Hamilton Watch Factory is a 300,000 square foot manufacturing building on the National Register of Historic Places, located in Lancaster, Pa. The building is being converted to 200 residential rental units, with a second vacant site being developed as 61 townhouses. 30,000 square feet of office space and two pool complexes are included in the development.

Managing Partner, 12th Street Improvements Study being conducted in Wilmington, Delaware. The project studies the urban corridor between the I-495/12th Street interchange and Wilmington's CBD, to establish an optimum alignment for transportation improvements and joint development opportunities with a minimum impact to the neighborhoods in the corridor. Mr. Straw has been involved in the urban design aspects of the project, focusing on land use, zoning, and developing and evaluating alternative alignments.

Partner-in-Charge, J.Q. Dickinson & Company Project. Formulation of a waterfront redevelopment strategy for West Virginia's oldest manufacturing company, including stabilization of one mile of riverbank along the Kanawha River.

1978-1979; Principal, Urban Design, for the Sadat City Development Group; assignments in Cairo. Prepared final subdivision design and development programs for the first "district spine" (a linear grouping of commercial, institutional and light industrial activities serving several neighborhoods) of the Sadat City plan. Assisted in the

preparation of official development maps regulating the city's staged development over a 25 year period.

1976-1977; Senior Professional, Urban Design and Planning for the Sadat City Planning Study Group; resident in Cairo, Egypt. Directed preparation of service facility standards, programs, locational concepts, and employment projections for the 500,000 person city staged for growth over 25 years. Also responsible for developing the urban planning and design portions of the master plan.

1974-1976; Project Director, Harristown Redevelopment Project, Harrisburg, Pa.; resident in Philadelphia. Harristown is a nineteen block, \$200 million revitalization project for downtown Harrisburg, Pa.; the firm provided urban design services as the project coordinating architects, and architectural services for all of the urban infrastructure, including the pedestrian and vehicular networks.

1972-1974; Partner-in-residence, Radisson, New York. (formerly Lysander New Community); resident near Syracuse, N. Y. Principal Urban Designer/Architect at Radisson, a new town developed by the New York State Urban Development Corporation for which David A. Crane and Partners (DACP Associates) prepared the master development plan. Principal responsibilities were subdivision planning and design, program development, site planning for large scale incoming industrial and commercial projects, construction management and general liaison for all David A. Crane and Partners projects within the new town. In addition, Mr. Straw was Coordinating Architect for several New York State Urban Development Corporation projects, including a regional health center.

1972; Urban Designer, New Castle County (Delaware) Development Study, "Metroform"; resident in Philadelphia, Pa. Mr. Straw was instrumental in developing the series of alternative concepts and strategies upon which this design-oriented study was based, as well as having the responsibility for realizing the final set of design solutions for the area identified as the "Suburban Center".

1971; Urban Designer, New York City Department of Planning; resident in New York. Assigned to the office of the Mayor of New York City and worked exclusively on projects in and around downtown Brooklyn. Tasks ranged from the transit station design and corresponding pedestrian networks for downtown Brooklyn to the design of a truck service system



for Brooklyn's central business district as an integral part of a large multi-use housing/community facilities project sponsored by the Brooklyn Office of the Department of City Planning. Mr. Straw also was on the design review team for U.D.C. projects in Brooklyn, as well as design liaison for the 3 1/2 million square foot Brooklyn Center Project.

JOHN MICHAEL HART, (DACP Associates)

SPECIALIZATION

EDUCATION

University of Pennsylvania, 1979, Master of Architecture
University of Pennsylvania, 1979, Master of City Planning
Miami University, 1971, Bachelor of Architecture

PROFESSIONAL
QUALIFICATIONS

American Planning Association
Alpha Rho Chi, Architectural Honorary

U.S. Naval Reserve; Lieutenant Commander, Civil Engineer Corps.

1980 to Date: Project Director, Capitol Gateway Phase II Programming, planning and design of initial development parcels. One parcel on the Anacostia Riverfront, formerly in industrial land use in the 50 and 100 year flood plain, is programmed for up to 500 dwellings with some commercial and recreational uses capitalizing on the waterfront amenity potential. Another parcel is programmed for 500,000 square feet of office and commercial mixed use with 300 to 400 dwellings in high and low-rise construction. This high density mixed-use parcel will have a direct entrance to the Navy Yard Station of the METRO.

Project Director, Hamilton Watch Factory Housing Conversion and Townhouse Development Project. The Hamilton Watch Factory is a 300,000 square foot manufacturing building on the National Register of Historic Places, located in Lancaster, Pa.

The building is being converted to 200 residential rental units, with a second vacant site being developed as 61 townhouses. 30,000 square feet of office space and two pool complexes are included in the development.

Project Director, Norwalk Waterfront Project, Norwalk, Ct. Project includes reuse of 15 acre landfill site combined with major redevelopment plans for underutilized railroad yards and the Reed Putnam Urban Renewal Area. The redevelopment program includes 1 million square feet of corporate office uses, 500 condominium residential units and a 300 room luxury hotel. The project is a continuation of revitalization efforts on the fringe of the central business district.

1979-to-1980, Project Architect-Planner for Helman New Community, Cairo, Egypt. Senior Planner for the master plan of an Egyptian Government/USAID funded Sites and Services Project to house a low

Architecture, Urban Design, Land and Environmental Planning



income worker population of 110,000. Responsibilities included evaluation of previous studies, formulation of program, development strategies and urban design alternatives. Directed a team of American and Egyptian architects, landscape architects and planners and coordinated with engineering and architectural consultants.

1978-to-1980; Project Manager for Tipton Lakes New Town, Columbus, Indiana. Responsible for coordination of production and design for Irwin Management Companies' 1100 acre residential and mixed-use development, including construction of lakes and canals. Produced a Standards Manual for Development in conjunction with detailed subdivision plans for initial development parcels and marina facilities. Continuing services have included design treatment and controls for the lake and canal, preliminary design for a mixed-use facility at the marina and high density townhouse development adjacent to the marina.

Senior Urban Designer for Southgate Industrial Park, Wilmington, Delaware. Responsible for subdivision planning, design and staging strategies of a 200 acre industrial park on a site which is adjacent to I-95 and was formerly used as a borrow pit. Included in this project was the design of circulation and vehicular access for truck and rail traffic.

1977-to-1979, Urban Designer, Capitol Gateway, Washington, D.C. Contributed to the urban design and planning on a 60-acre site involving the planning for redevelopment and the reuse of an old industrial section of the Anacostia River waterfront south of the Capitol Building. The Master Development Plan calls for an integrated design of public and private investment in the construction of approximately 2400 dwelling units, one million square feet of office space, a 500 room convention hotel, structured parking for approximately 4,000 cars, community recreation and commercial facilities. Pedestrian walkways, plazas, riverfront esplanade/marina and a subway stop are also included as part of the public environment components in this project.

1971-to-1977; Commissioned Naval Officer, Atlantic Fleet. Served as a company commander of the Amphibious Construction Battalion Two, directing an operation of 150 persons, with \$8 million in assets, a \$1.5 million annual budget and operations in structural steel construction, boat overhaul, marine and industrial facilities planning,



research and design.

From 1977 to present: Mr. Hart has been affiliated with Reserve Naval Construction Battalion Twenty-One as Company Commander.

Concurrent with his Navy commission, served as a design consultant to the Norfolk Redevelopment and Housing Authority from 1973 to 1974.



**STANDARD
FORM (SF)**

254

Architect-Engineer
and Related Services
Questionnaire

OMB Approval No. 29-H0234

5. Name of Parent Company, if any:

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5a. Former Firm Name(s), if any, and Year(s) Established:

David A. Crane & Partners 1974
David A. Crane & Associates 1970
David A. Crane, Architect 1966

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) Scott W. Killinger, Partner -- 215 561-1050
- 2) Phillip E. Franks, Partner -- 215 561-1050

7. Present Offices: City / State / Telephone / No. Personnel Each Office

DACP Associates
1316 Arch Street, 5th Floor

Philadelphia, Pa., 19107
Boston, Massachusetts 02127

(215) 561-1050
(617) 262-0953

18 Persons

2 Persons

7a. Total Personnel 20

8. Personnel by Discipline:

- 5. Administrative
 - Electrical Engineers
 - Estimators
 - Geologists
 - Geologists
 - Hydrologists
 - Interior Designers
 - Landscaping Architects
 - Mechanical Engineers
 - Mining Engineers
 - Economists
- 4. Architects
 - Planners: Urban/Regional
 - Sanitary Engineers
 - Soils Engineers
 - Specification Writers
 - Structural Engineers
 - Surveyors
 - Transportation Engineers
- Chemical Engineers
 - Oceanographers
- Civil Engineers
 - Hydronauts
- Construction Inspectors
 - Inspectors
- 3. Draftsmen
 - Draftsmen
- Ecologists
 - Ecologists
- Economists
 - Economists

9. Summary of Professional Services Fees

Received: (Insert index number)

19 79 19 78 19 77 19 76 19 75

Direct Federal contract work, including overseas
work

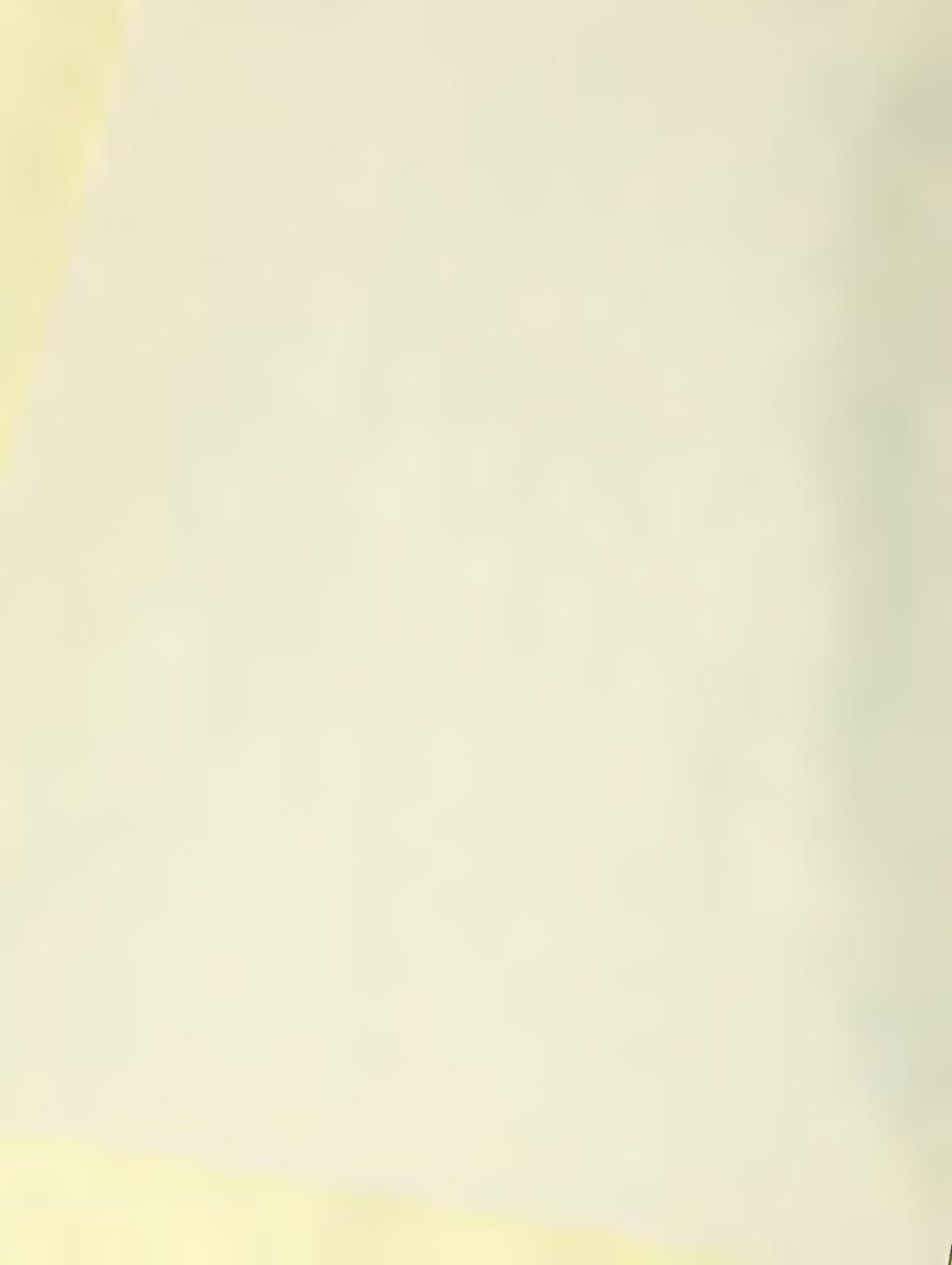
19 79 19 78 19 77 19 76 19 75

Work here:

Ranges of Professional Services Fees

INDEX

1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater



Experience Profile Code Numbers
for use with questions 10 and 11

041 Graphic Design
 042 Harbors; Jetties; Piers; Ship Terminal Facilities
 043 Heating, Ventilating; Air Conditioning
 044 Health Systems Planning
 002 Aerial Photogrammetry
 003 Agricultural Development; Grain Storage; Farm Mechanization
 004 Air Pollution Control
 005 Airports; Navairds; Airport Lighting;
 006 Airports; Terminals & Hangars; Freight Handling
 007 Arctic Facilities
 008 Auditoriums & Theatres
 009 Automation; Controls; Instrumentation
 010 Barracks; Dormitories
 011 Bridges
 012 Cemetteries (*Planning & Relocation*)
 013 Chemical Processing & Storage
 014 Churches; Chapels
 015 Codes; Standards; Ordinances
 016 Cold Storage; Refrigeration; Fast Freeze
 017 Commercial Buildings (*New rise*); Shopping Centers
 018 Communications Systems; TV;
 019 Microwave
 020 Computer Facilities; Computer Service
 020 Conservation and Resource Management
 021 Construction Management
 022 Corrosion Control; Cathodic Protection;
 023 Electrolysis
 024 Cost Estimating
 025 Dams (*Concrete; Arch*)
 026 Dams (*Earth; Rock*); Dikes; Levees
 027 Desalination (*Process & Facilities*)
 027 Dining Halls; Clubs; Restaurants
 028 Ecological & Archeological Investigations
 029 Educational Facilities; Classrooms
 030 Electronics
 031 Elevators; Escalators; People-Movers
 032 Energy Conservation; New Energy Sources
 033 Environmental Impact Studies, Assessments or Statements
 034 Fallot Shelters; Blast-Resistant Design
 035 Field Houses; Gyms; Stadiums
 036 Fire Protection
 037 Fisheries; Fish Ladders
 038 Forestry & Forest Products
 039 Garages
 040 Garages; Vehicle Maintenance Facilities; Buildings

041 Graphic Design
 042 Harbors; Jetties; Piers; Ship Terminal Facilities
 043 Heating, Ventilating; Air Conditioning
 044 Health Systems Planning
 045 Highrise; Air-Rights-Type Buildings
 046 Highways; Streets; Airfield Paving;
 Parking Lots
 047 Historical Preservation
 048 Hospitals & Medical Facilities
 049 Hotels; Motels
 050 Housing (*Residential, Multi-Family; Apartments; Condominiums*)
 051 Hydraulics & Pneumatics
 052 Industrial Buildings; Manufacturing Plants
 053 Industrial Processes; Quality Control
 054 Industrial Waste Treatment
 055 Interior Design; Space Planning
 056 Irrigation; Drainage
 057 Judicial and Courtroom Facilities
 058 Laboratories; Medical Research Facilities
 059 Landscape Architecture
 060 Libraries; Museums; Galleries
 061 Lighting (*Interiors; Display; Theatre, Etc.*)
 062 Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
 063 Materials Handling Systems; Conveyors; Sorters
 064 Metallurgy
 065 Microclimatology; Tropical Engineering
 066 Military Design Standards
 067 Mining & Mineralogy
 068 Missile Facilities (*Sites; Fuels; Transport*)
 069 Modular Systems Design; Pre-Fabricated Structures or Components
 070 Naval Architecture; Off-Shore Platforms
 071 Nuclear Facilities; Nuclear Shielding
 072 Office Buildings; Industrial Parks
 073 Oceanographic Engineering
 074 Ordnance; Munitions; Special Weapons
 075 Petroleum Exploration; Refining
 076 Petroleum and Fuel (*Storage and Distribution*)
 077 Pipelines (*Cross-Country—Liquid & Gas*)
 078 Planning (*Community, Regional, Areawide and State*)
 079 Planning (*Site, Installation, and Project*)
 080 Plumbing & Piping Design
 081 Pneumatic Structures; Air-Support Buildings

083 Power Generation, Transmission, Distribution
 084 Prisons & Correctional Facilities
 085 Product, Machine & Equipment Design
 086 Radar; Sonar; Radio & Radar Telescopes
 087 Railroad; Rapid Transit
 088 Recreation Facilities (*Parks, Marinas, Etc.*)
 089 Rehabilitation (*Buildings; Structures; Facilities*)
 090 Resource Recovery; Recycling
 091 Radio Frequency Systems & Shieldings
 092 Rivers; Canals; Waterways;
 Flood Control
 093 Safety Engineering; Accident Studies;
 OSHA Studies
 094 Security Systems; Intruder & Smoke Detection
 095 Seismic Designs & Studies
 096 Sewage Collection, Treatment and Disposal
 097 Soils & Geologic Studies; Foundations
 098 Solar Energy Utilization
 099 Solid Wastes; Incineration; Land Fill
 100 Special Environments; Clean Rooms, Etc.
 101 Structural Design; Special Structures
 102 Surveying; Platting; Mapping; Flood Plain Studies
 103 Swimming Pools
 104 Storm Water Handling & Facilities
 105 Telephone Systems (*Rural; Mobile; Intercom, Etc.*)
 106 Testing & Inspection Services
 107 Traffic & Transportation Engineering
 108 Towers (*Self-Supporting & Guyed Systems*)
 109 Tunnels & Subways
 110 Urban Renewal; Community Development
 111 Utilities (*Gas & Steam*)
 112 Value Analysis; Life-Cycle Costing
 113 Warehouses & Depots
 114 Water Resources; Hydrology; Ground Water
 115 Water Supply, Treatment and Distribution
 116 Wind Tunnels; Research/Testing Facilities Design
 117 Zoning; Land Use Studies
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10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 017	8	\$ 285	11) 059	27	\$1080	21) 201	10	\$ 722
2) 020	5	95	12) 062	4	84	22) 202	3	683
3) 028	4	55	13) 072	8	283	23)		
4) 029	8	907	14) 078	30	2035	24)		
5) 033	25	1400	15) 079	21	1570	25)		
6) 039	3	170	16) 087	8	340	26)		
7) 046	15	1044	17) 088	12	297	27)		
8) 047	7	198	18) 089	7	203	28)		
9) 050	17	1997	19) 110	14	1239	29)		
10) 055	2	42	20) 117	15	887	30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
020	C	1 Open Space as an Air Resource Management Measure (A National Study)	U.S. Environmental Protection Agency Triangle Research Park, N.C.	\$ 92 (fee)	N/A
028	P	2 Columbus Housing Project: Environmental Resource Evaluation Columbus, Indiana	Irwin Management Company Columbus, Indiana	\$ 25 (fee)	1975
033	P	3 12th Street Highway Connector I-495 - Downtown Wilmington Draft/Final E.I.S. and 4(f) statement	Delaware Department of Highways and Transportation Dover, Delaware	\$501 (fee)	1981
033	C	4 I-95 south, Orange Line Transit Relocation. Location Report and Draft E.I.S.	Commonwealth of Mass./Exec. Office of Transportation & Construction/Dept. Public Works, Boston, Massachusetts	\$100 (fee)	1975
033	C	5 Route 2, Redline Transit Extension to Route 128, Location Report and Draft E.I.S.	Commonwealth of Mass., Executive Office of Transportation and Construction, Dept. of Public Works, Boston, Mass.	\$100 (fee)	1975
033	P	6 Wilmington Boulevard and Transit Right-of-way. Design and Supplement to final E.I.S.	Department of Highways and Transportation Dover, Delaware	\$82 (fee)	1980
033	P	7 Market Street East Multi-use Development Phase II	Market Street East Development Corp. Philadelphia, Pa.	\$100 (fee)	1979

E.I.S. and Environmental Studies
Program

045	o	9 Centreville Rocking Garage (400 cars) Architectural Design and Construction Supervision.	City of Lewiston Lewiston, Maine	\$20,000	1993
046	o	10 Fringe Parking Study (5 sites): Preliminary Design & Engineering, Location Report & Draft E.I.S.) Boston—Massachusetts	Department of Public Works Commonwealth of Massachusetts Boston, Massachusetts	\$5,000	1976
046	p	11 Willett Parkway Final Design and Landscaping	New York State Urban Development Corp. Radisson, New York	\$3,000	1975
046	o	12 Lowell Transportation Terminal Concept Design	City of Lowell Lowell, Massachusetts	\$ 25 (fee)	1976
046	c	13 Salem Peabody Connector location Report and Draft E.I.S.	Commonwealth of Massachusetts Department of Public Works Boston, Massachusetts	\$ 45 (fee)	1975
046	c	14 Manchester Main Street Improvement Project Pedestrian Improvements, Landscape	Department of Public Works Manchester, Conn.	\$ 10 (fee)	1980
059	p	15 Lawrence Pedestrian Mall & Downtown Improvement Program Lawrence, Mass.	Community Development Dept. Lawrence, Mass.	\$142 (fee)	1977
059	p	16 Market Street Mall Wilmington, Delaware	City of Wilmington Dept. of Planning & Development Wilmington, Delaware	\$1,300	1976
059	p	17 Riverside Pedestrian Mall Medford, Massachusetts	City of Medford, Dept. of Planning Medford, Massachusetts	\$186 (fee)	1979
059	p	18 Franklin Delano Roosevelt Park Reconstruction and Improvements Project	Franklin Mount Park Commission Philadelphia, Pa.	\$ 65 (fee)	1977
059	p	19 Parkway Playground 21st and Benjamin Franklin Parkway Reconstruction and Improvement Project	Philadelphia 1976 Bicentennial Corporation/City of Philadelphia Philadelphia, Pa.	\$ 65 (fee)	1977

Cairo,
Arab Republic of Egypt.

\$2,350 (fee) 2000

078	P	21 Lybrand (Rabbson) New Community Master Development Plan Bladwinville, N.Y.	New York State Urban Development Corp., New York, N.Y.	\$150,000	1985
078	P	22 Peachtree City Master Plan Review Peachtree City, Ga.	Garden Cities Corporation, Peachtree City, Ga.	\$750,000	2000
079	P	23 New York State Urban Cultural Parks System Planning and Design New York State	New York State Dept. of Parks and Recreation Albany, N.Y.	\$ 50 (fee)	1978
079	P	24 Universidad Metropolitana - Planning & Economic Feasibility Study Caracas, Venezuela	Grupo de Proyectos Integrados Cairo, Arab Republic of Egypt	\$ 12 (fee)	N/A
079	P	25 Nasr City Center Master Development Plan, Design and Construction Cairo, Arab Republic of Egypt	Egyptian Kuwaiti Real Estate Company Cairo, Arab Republic of Egypt	\$80,000	1990
087	P	26 Station Modernization for Two Redline Transit Stations, Broadway Station, Andrew Station	Mass. Bay Transportation Authority Boston, Massachusetts	\$150 (fee)	1982
088	P	27 Lybrand (Rabbson) New Community Open Space & Recreation System Baldwinsville, New York	New York State Urban Development Corporation New York, N.Y.	\$869	1975
117	P	28 Oklahoma City Comprehensive Plan for Community Development & Growth Management, Oklahoma City, Okl.	Oklahoma City Oklahoma	\$500 (fee)	1977
201	P	29 Lowell Urban National Cultural Park Urban Design Study Lowell, Massachusetts	Lowell Historic Canal District Commission Lowell, Massachusetts	\$ 60 (fee)	1985
202	P	30 Environmental Impact Assessment Guidelines, A National Study NCHRP (8-11)	National Cooperative Highway Research Program	\$350 (fee)	1977

2. The foregoing is a statement of facts

Signature: Philip E. Franks

Typed Name and Title: Philip E. Franks, Partner

Date:

27 April 1981

